

Form PTO-1449 Modified

Docket No.
4414D/
FCI-2598Serial No.
09/208,962List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)Applicant
Richard A. Elco, et al.U.S. Department of Commerce
Patent and Trademark OfficeFiling Date
December 10, 1998Group
2839

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ng	AA	Alphametals, "Micro electronic interconnects," date unknown, 3 pages
	AB	Berg Electronics Catalog, "Solder washers," 1996, page 13
	AC	European Search Report dated February 23, 1999, for Application EP 97 11 7583
	AD	IBM Technical Disclosure Bulletin, July 1977, 20(2), 545-546
	AE	IBM Technical Disclosure Bulletin, April 1990, 32(11), 38-39
	AF	IBM Technical Disclosure Bulletin, January 1972, 14(8), page 2297
	AG	Kazmierowicz, P.C., "Profiling your solder reflow oven in three passes or less," <i>Surface Mount Technology</i> , reprinted from February 1990 issue, 61-62
	AH	Kazmierowicz, P.C., "The science behind conveyor oven thermal profiling," <i>KIC Oven Profiling</i> , reprinted from February 1990 issue, 1-9
	AI	Partial European Search Report dated November 2, 1998 for Application No. EP 97 11 7583
	AJ	Research Disclosure No. 31684, "Integrated surface mount module I/O attach," <i>Kenneth Mason Publications Ltd., England</i> , August 1990, No. 316, 1 page
nn	AK	Research Disclosure No. 34235, "Solder ball connect pin grid array package," <i>Kenneth Mason Publications Ltd, England</i> , October 1992, No. 342, 1 page

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U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
WA	AL	2,231,347	02/11/41	Reutter	29	155.55
	AM	2,702,255	02/15/55	Yaeger	117	103
	AN	3,320,658	05/23/67	Bolda, et al.	29	155.5
	AO	3,719,981	03/13/73	Steitz	29	423
	AP	3,864,004	02/04/75	Friend	339	258 R
	AQ	3,865,462	02/11/75	Cobaugh, et al.	339	176 M
	AR	3,889,364	06/17/75	Krueger	29	628
	AS	4,056,302	11/01/77	Braun, et al.	339	275 B
	AT	4,097,266	06/27/78	Takahashi, et al.	75	0.5 R
	AU	4,140,361	02/20/79	Sochor	339	258
	AV	4,274,700	06/23/81	Keglewitsch, et al.	339	192 R
	AW	4,380,518	04/19/83	Wydro, Sr.	264	13
	AX	4,395,086	07/26/83	Marsh	339	176 M
	AY	4,396,140	08/02/83	Jaffe, et al.	228	123
	AZ	4,462,534	07/31/84	Bitailou, et al.	228	180 A
	BA	4,482,937	11/13/84	Berg	361	413
	BB	4,641,426	02/10/87	Hartman, et al.	29	839
	BC	4,664,309	05/12/87	Allen, et al.	228	180
	BD	4,705,205	11/10/87	Allen, et al.	228	180
	BE	4,722,470	02/02/88	Johary	228	180.2
WA	BF	4,802,862	02/07/89	Seidler	439	83

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Examiner Initial		Document No.	Date	Name	Class	Subclass
W	BG	4,830,264	05/16/89	Bitailou, et al.	228	180.2
	BH	4,871,110	10/03/89	Fukasawa, et al.	228	245
	BI	4,884,335	12/05/89	McCoy, et al.	29	839
	BJ	4,904,212	02/27/90	Durbin, et al.	439	751
	BK	5,024,372	06/18/91	Altman, et al.	228	248
	BL	5,060,844	10/29/91	Behun, et al.	228	180.2
	BM	5,093,986	03/10/92	Mandai, et al.	29	843
	BN	5,098,311	03/24/92	Roath, et al.	439	289
	BO	5,111,991	05/12/92	Clawson, et al.	228	180.1
	BP	5,118,027	06/02/92	Braun, et al.	228	180.2
	BQ	5,120,237	06/09/92	Fussell	439	282
	BR	5,131,871	07/21/92	Banakis, et al.	439	751
	BS	5,145,104	09/08/92	Apap, et al.	228	179
	BT	5,199,885	04/06/93	Korsunsky, et al.	439	79
	BU	5,203,075	04/20/93	Angulas, et al.	29	830
	BV	5,207,372	05/04/93	Funari, et al.	228	180
	BW	5,222,649	06/29/93	Funari, et al.	228	6.2
	BX	5,229,016	07/20/93	Hayes, et al.	222	590
	BY	5,255,839	10/26/93	da Costa Alves, et al.	228	180.21
	BZ	5,261,155	11/16/93	Angulas, et al.	29	830
W	CA	5,269,453	12/14/93	Melton, et al.	228	180.22

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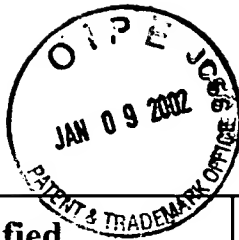
Examiner Initial		Document No.	Date	Name	Class	Subclass
MA	CB	5,275,330	01/04/94	Isaacs, et al.	228	180.2
	CC	5,284,287	02/08/94	Wilson, et al.	228	180.2
	CD	5,324,569	06/28/94	Nagesh, et al.	428	198
	CE	5,342,211	08/30/94	Broeksteeg	439	108
	CF	5,346,118	09/13/94	Degani, et al.	228	180.22
	CG	5,354,218	10/11/94	Fry, et al.	439	595
	CH	5,355,283	10/11/94	Marrs, et al.	361	760
	CI	5,358,417	10/25/94	Schmedding	439	178
	CJ	5,377,902	01/03/95	Hayes	228	254
	CK	5,387,139	02/07/95	McKee, et al.	439	876
	CL	5,395,250	03/07/95	Englert, Jr., et al.	439	65
	CM	5,409,157	04/25/95	Nagesh, et al.	228	180.22
	CN	5,410,807	05/02/95	Bross, et al.	29	843
	CO	5,431,332	07/11/95	Kirby, et al.	228	246
	CP	5,435,482	07/25/95	Variot, et al.	228	254
	CQ	5,442,852	08/22/95	Danner	29	843
	CR	5,445,313	08/29/95	Boyd, et al.	228	248.1
	CS	5,453,017	09/26/95	Belopolsky	439	83
	CT	5,467,913	11/21/95	Namekawa, et al.	228	41
MA	CU	5,477,933	12/26/95	Nguyen	174	262
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<i>nh</i>	CV	5,489,750	02/06/96	Sakemi, et al.	174	261
	CW	5,491,303	02/13/96	Weiss	174	262
	CX	5,492,266	02/20/96	Hoebener, et al.	228	248.1
	CY	5,495,668	03/05/96	Furusawa, et al.	29	879
	CZ	5,498,167	03/12/96	Seto, et al.	439	74
	DA	5,499,487	03/19/96	McGill	53	473
	DB	5,516,030	05/14/96	Denton	228	180.22
	DC	5,516,032	05/14/96	Sakemi, et al.	228	246
	DD	5,518,410	05/21/96	Masami	439	71
	DE	5,519,580	05/21/96	Natarajan, et al.	361	760
	DF	5,534,127	07/09/96	Sakai	205	125
	DG	5,539,153	07/23/96	Schwiebert, et al.	174	260
	DH	5,542,174	08/06/96	Chiu	29	840
	DI	5,591,049	01/07/97	Dohnishi	439	595
	DJ	5,591,941	01/07/97	Acocella, et al.	174	266
	DK	5,613,882	03/25/97	Hnatuck, et al.	439	686
	DL	5,643,009	07/01/97	Dinkel, et al.	439	595
	DM	5,702,255	12/30/97	Murphy, et al.	439	71
	DN	5,718,607	02/17/98	Murphy, et al.	439	610
<i>W</i>	DO	5,730,606	03/23/98	Sinclair	439	70

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WA	DP	5,746,608	05/05/98	Taylor	439	70
	DQ	5,772,451	06/30/98	Dozier, II, et al.	439	70
	DR	6,024,584	02/15/00	Lemke, et al.	439	83
	DS	6,042,389	03/28/00	Lemke, et al.	439	74
	DT	6,079,991	06/27/00	Lemke, et al.	439	83
	DU	6,093,035	07/25/00	Lemke, et al.	439	83
WA	DV	6,164,983	12/26/00	Lemke, et al.	439	83

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WA	DW	0 591 772 A1	04/13/94	EPO		
	DX	0 706 240 A1	04/10/96	EPO		
	DY	0 782 220 A2	07/02/97	EPO		
	DZ	0 843 383 A2	05/20/98	EPO		
	EA	37 12 691 C1	06/23/88	Germany	X (abstract)	
	EB	60-072663	03/15/94	Japan	X (abstract)	
	EC	2-78893	03/19/90	Japan	X (abstract)	
	ED	WO 96/42123	12/27/96	PCT		
	EE	WO 97/20454	06/05/97	PCT		
	EF	WO 97/45896	12/04/97	PCT		
WA	EG	WO 98/15990	04/16/98	PCT		

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